# **Battle Force Capabilities / Mission Capabilities Packages**

#### For the Interoperability Workshop



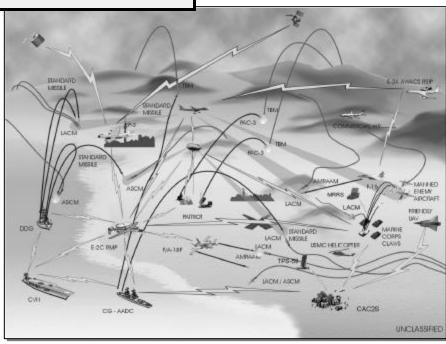
N70
Warfare
Integration
& Assessment

29 May 2001

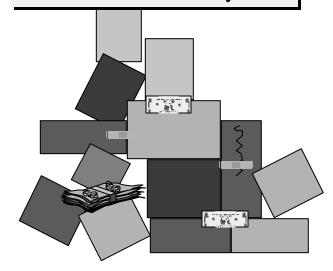
**CAPT John Yurchak** 

#### **Context: The Dilemma**

#### What We Want ...



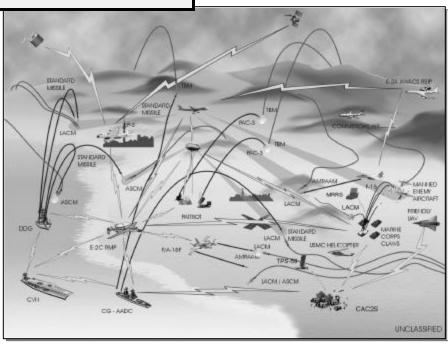
# ... And How We're Trying To Get There Today



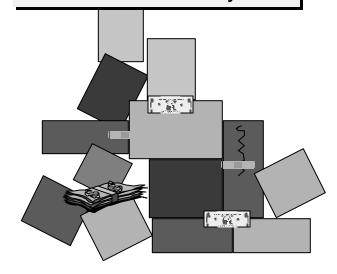
- We're trying to build complex, highly networked, integrated, joint multi-platform, multi-system capabilities ...
  - Without a top-level design
  - Within a patchwork of stove-piped non-integrated processes

#### What's Wrong

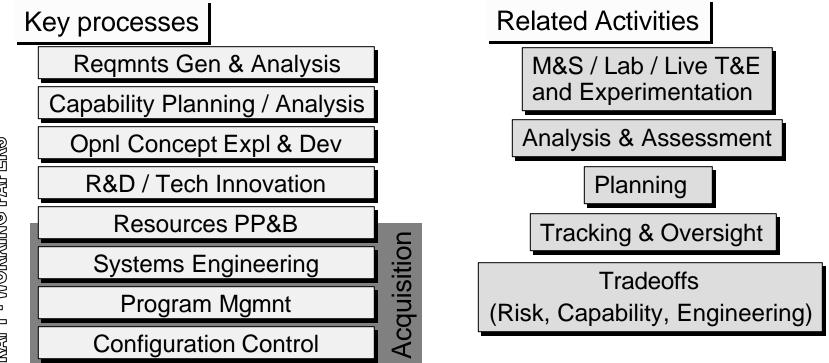
What We Want ...



... And How We're Trying To Get There Today



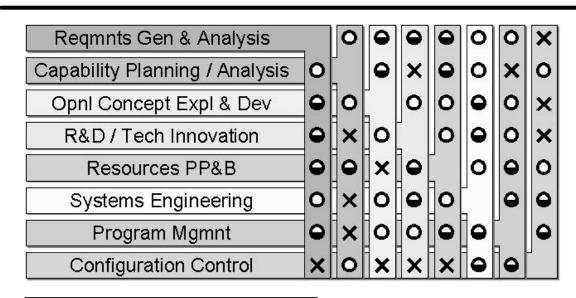
- Fundamental, systemic interoperability problems persist in POR systems
- Focus is still on systems and platforms vice capabilities
- Uncoordinated, non-synchronized decision processes
- Inconsistent information sources and decision products
- Many authorities / stakeholders not linked to key processes / decisions
- Confusion over "Who's in charge" a recurring theme throughout
- Need for architectures repeatedly asserted



DoD, Navy/Joint/Allied Customers & Users, OPNAV, SYSCOMs, PEOs, PMs

- Multiple Stakeholders, Process Owners, Decision Authorities
- Different domains, agendas, objectives, incentives, metrics, frameworks

#### **Summary Process Assessment**



Many processes / links "broken" or ineffective

But ...

Lots of good work converging on some dominant issues

#### **Dominant Process Issues**

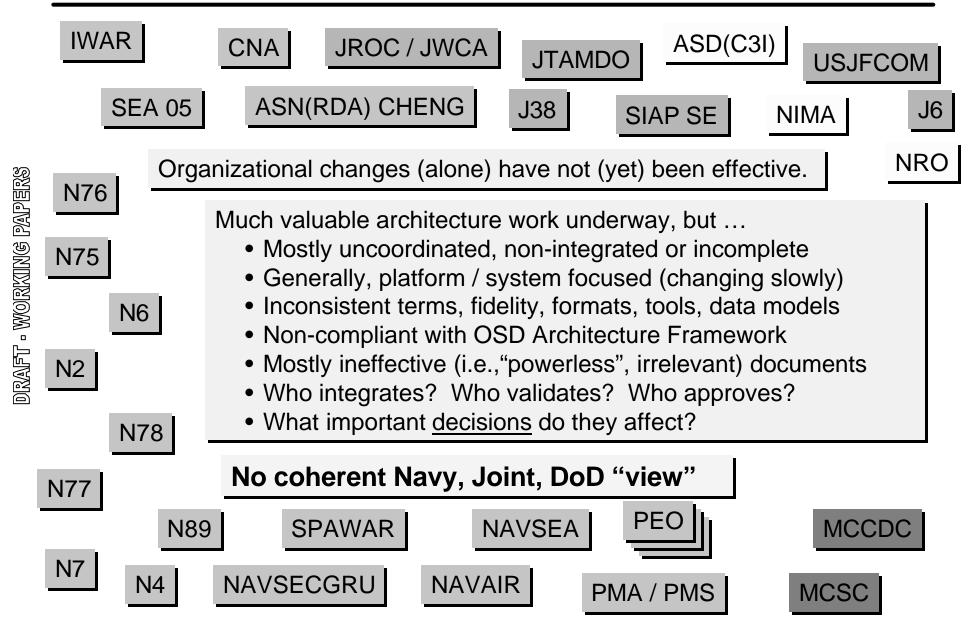
- Inconsistent analytic frameworks and metrics
- Non-integrated requirements (platform vs battle force / FOS focus)
- Inconsistent, nonintegrated tradeoff processes and objectives (Risk, fiscal, capability, engineering, etc.) and feedback
- No unifying context

The status quo won't get us there

#### Just How "Bad" Is It?

- Not a "war-losing" condition, but ...
  - Operational confusion, delayed or errant decisions ... when we need clarity and precision
  - Longer operational planning & execution timelines ... when we need to shorten them
  - Smaller engagement envelopes
    - ... when we expected (paid for) much more
  - Increased cost-of-ownership and time-to-market
    - ... when we're trying to be more nimble and efficient
- It's taken a long time for us to get into the state we're in today ... ... and it will take some time just to see improvement
- No one organization owns the key to a solution
- No single action or decision, from anyone, will get us out of this

# Who's "Doing" Architecture-Related Work Today?



# If We're Going to Effect Process Changes ...

#### We must answer the following questions

- What are the relevant domains / processes?
- Who are (should be) ...
  - Stakeholders?
  - Process owners?
  - Decision makers?
- What relevant decisions to affect / effect, and when?
- How to support decisions?
  - What data, frameworks, methods, processes, tools, products?
- How to influence decisions?
  - Acquire decision authority?
  - Advise decision makers?

# What We're Proposing

How to Bring Together ... ... the key DoD Decision Support Systems ... Requirements and Capabilities Generation & Analysis Resource **Planning** Acquisition ... Within An Integrated (PPBS) Management Architecture Framework Note: This is not just C4ISR

Objective: Make milestones and other important program planning decisions depend on compliance with validated and approved integrated architectures

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#### **How To Achieve What We Want**

The Mission Capability Package (aka Portfolio)

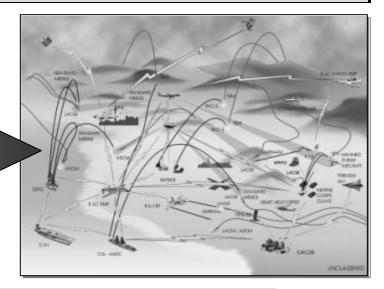
Use Mission Capability Packages (MCPs) as the focus of integration

#### What's a MCP?

- Introduced by the concept of Network Centric Warfare / Operations
- A Task-Organized Bundle of ...
  - CONOPS, processes and organizational structures
  - Networks, sensors, weapons and systems
  - The people, training and support services to sustain it

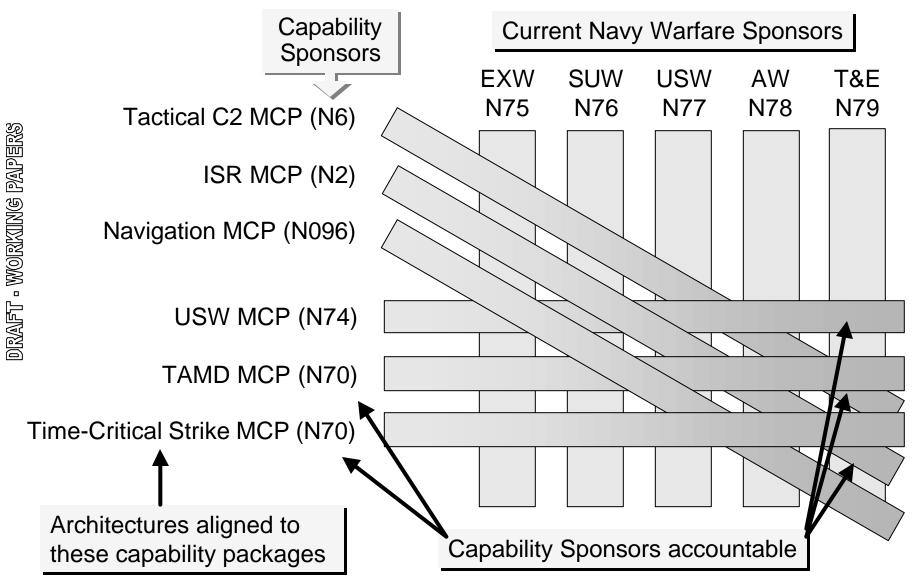
A MCP treats all of the above not as a collection of things and processes -- but as an integrated system

Architectures should be based on (describe) MCPs



MCP ~= Joint Staff Joint Mission Area (JMA), DoD Portfolio

# Example Mission Capability Packages (MCPs) as "Slices" Through the Platform/System Domain



### The Mechanisms For Change

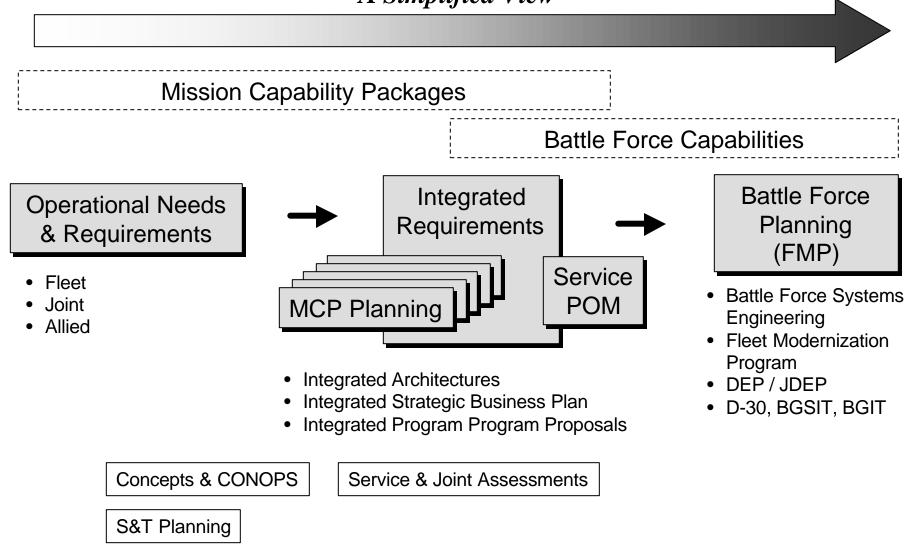
- The Principal Output =
   Battle Force Capabilities
- The Principal Mechanisms for Integration = Integrated Architectures
- The Principal Mechanisms for Achieving Alignment = Mission Capability Packages

# The Principal Navy Stakeholders

- OPNAV (CNO, N8, N7, sponsors)
- Fleet
- ASN(RDA) Chief Engineer
- NWDC
- ONR
- PEOs and SYSCOMs

# **Changes To The Status Quo**

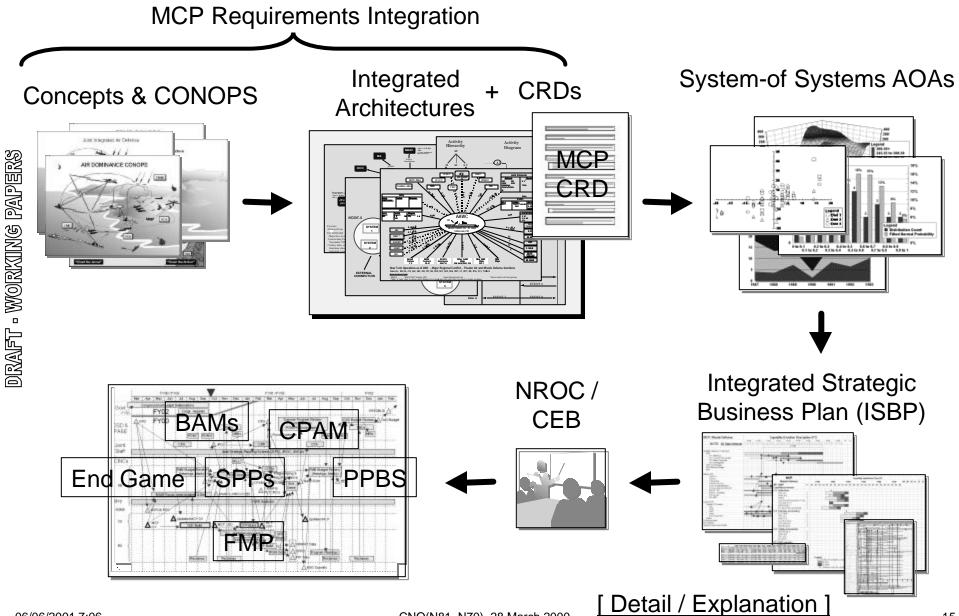
A Simplified View

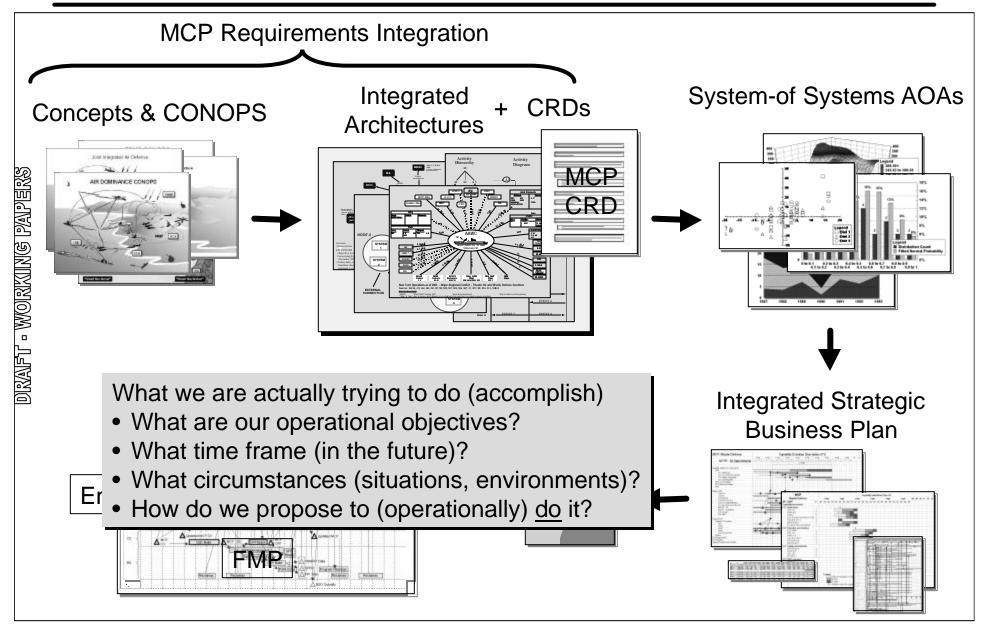


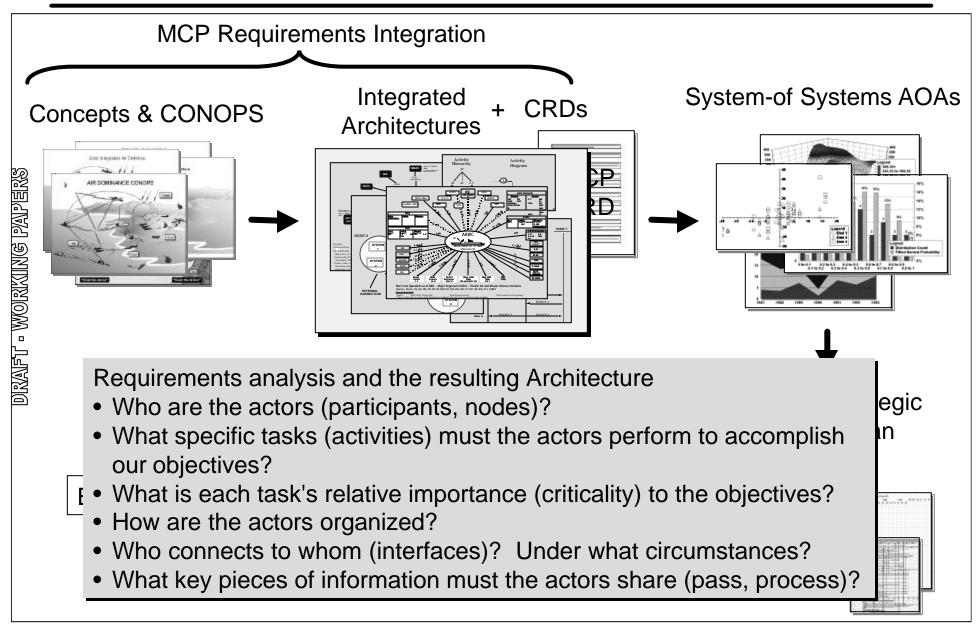
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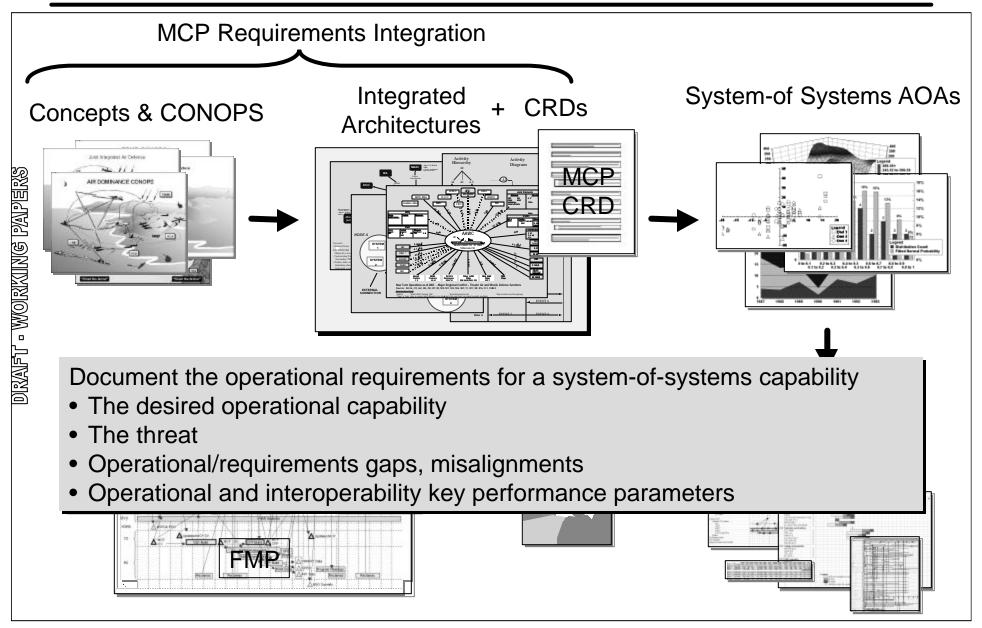
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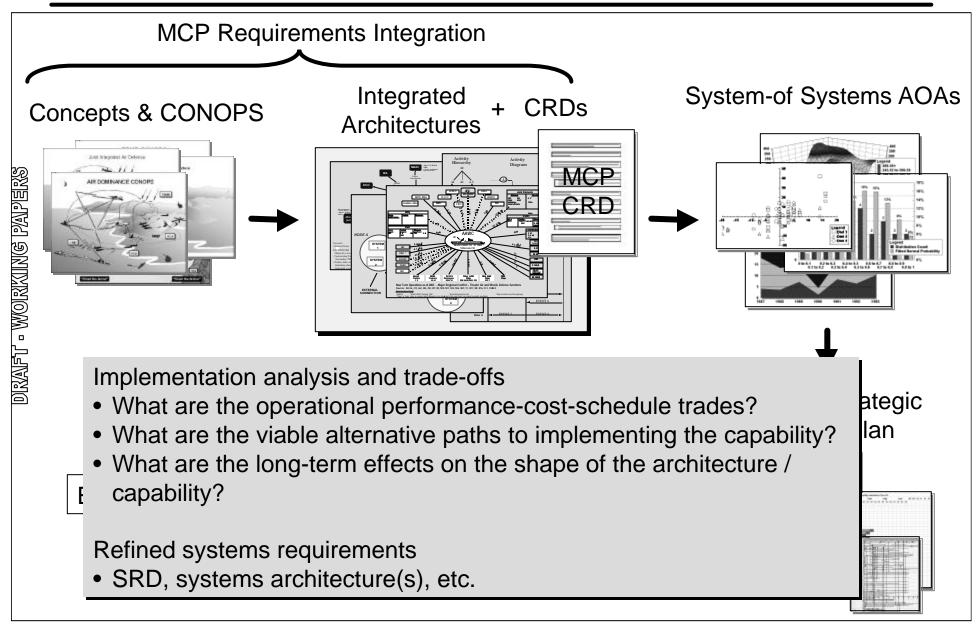
Service & Joint Experimentation



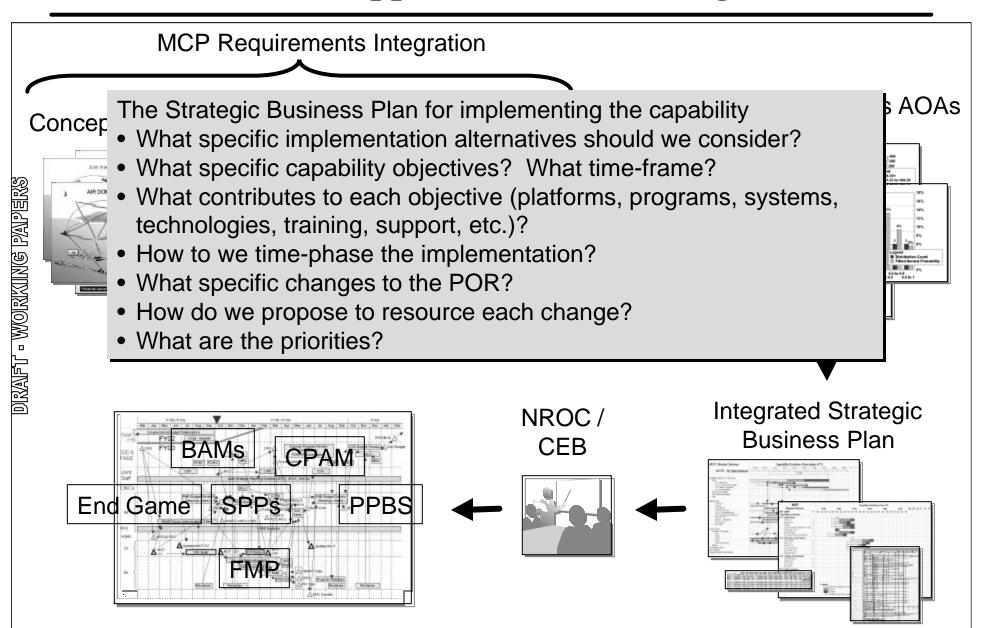




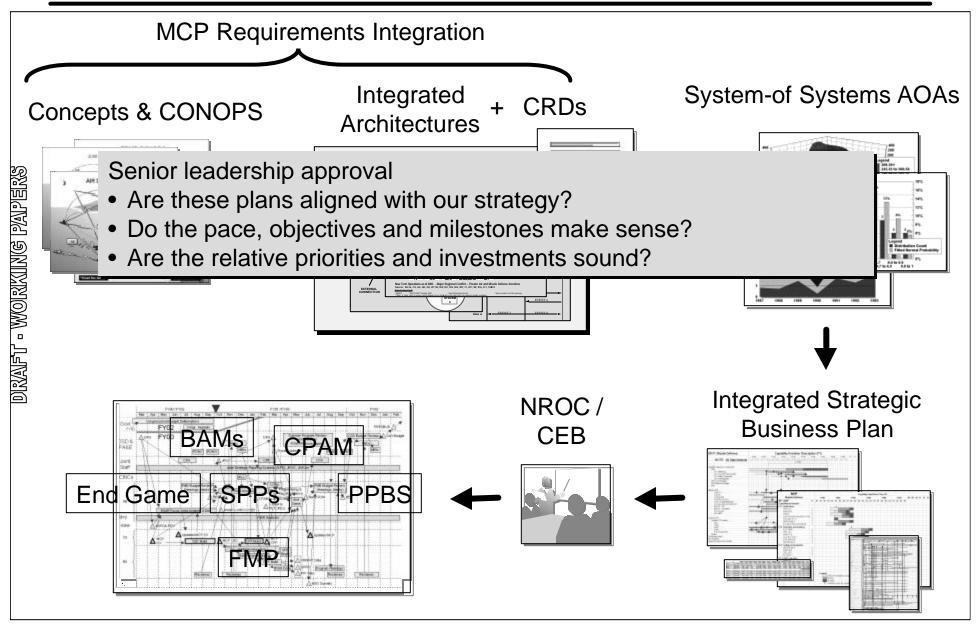




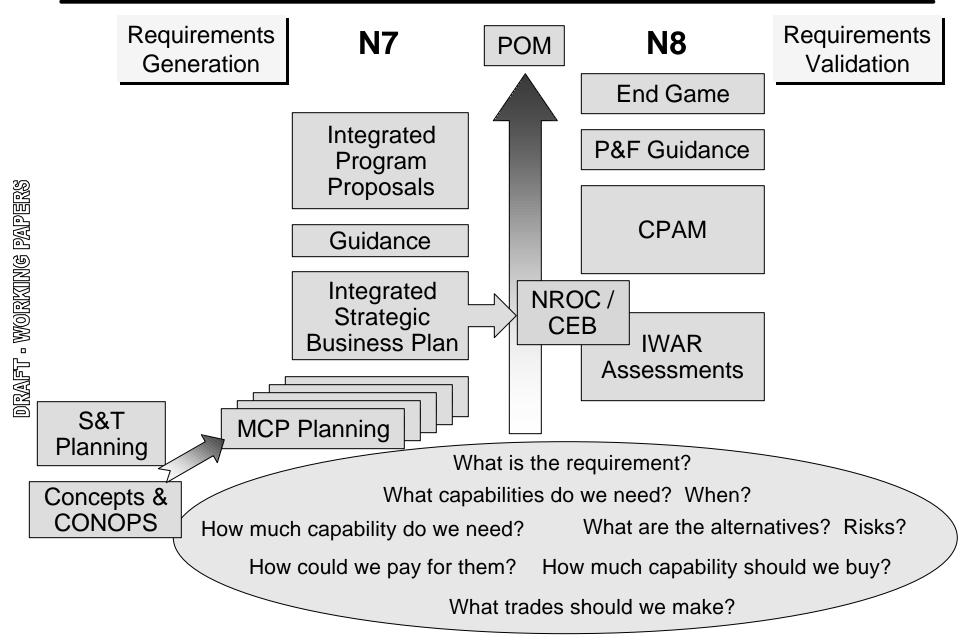
# **Basic Approach We're Taking**



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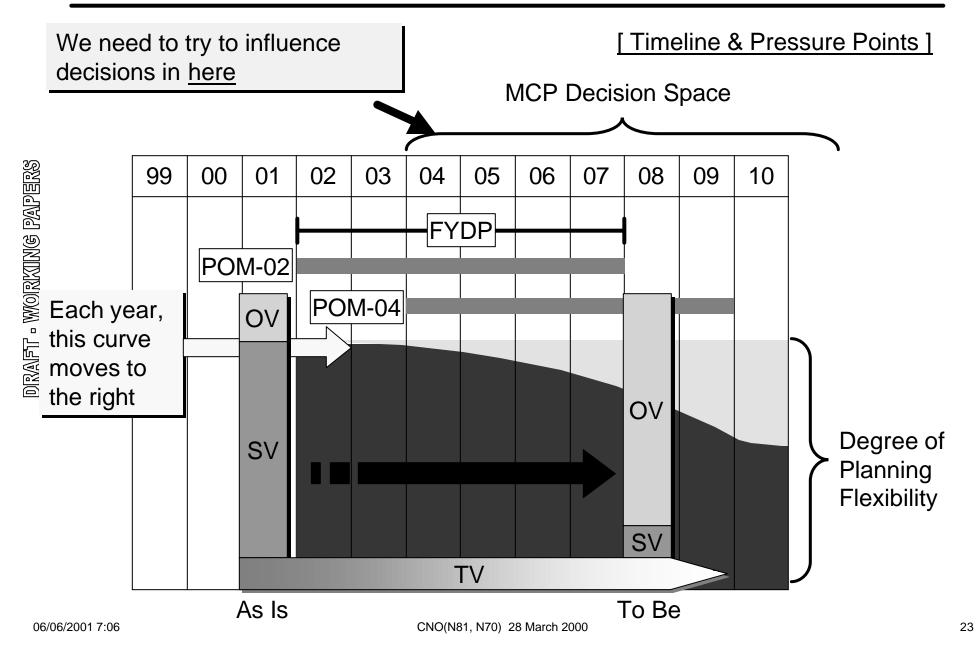


# **Changes to The Status Quo (OPNAV)**



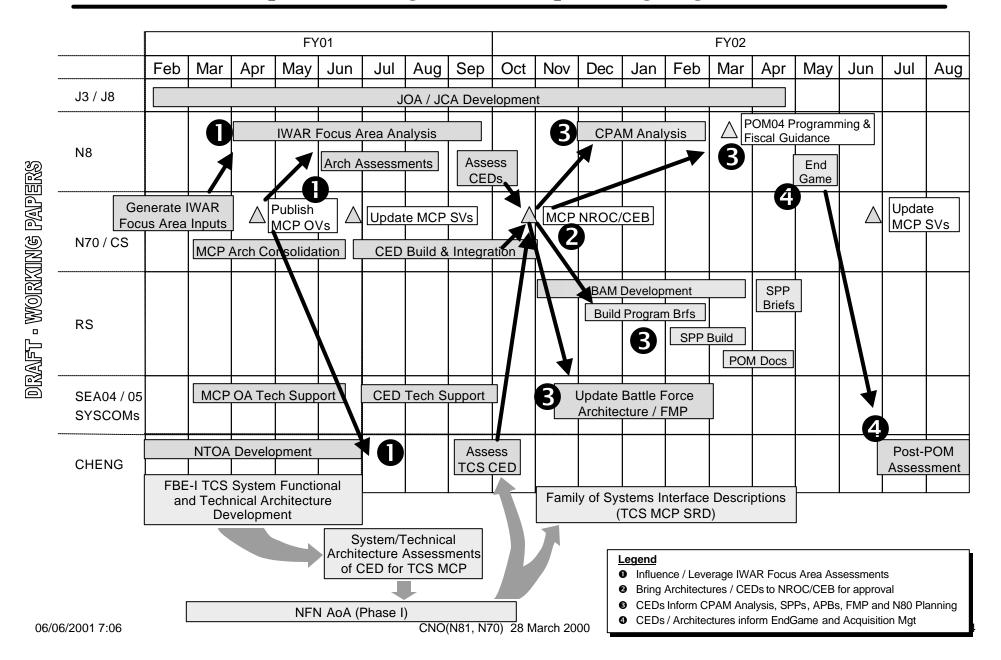
#### **Architecture/CED Influence Time Frame**

(Assuming the current planning target is POM-04)



#### **Timeline and Pressure Points**

(TCS example, assuming the current planning target is POM-04)



# DRAFT - WORKING PAPERS

### What Budget Are You Working On Today?

The Lure of the ''Quick Kill''

All these processes are happening concurrently

Execution: FY01

In Congress: POM-02

Service Programming: PR-03



Service Planning & Assessment: POM-04

What interoperability <u>planners</u> should be trying to effect / affect today

Changes or directives applied "above" POM-04

(in the absence of some overarching plan or context)
risk breaking or invalidating

- Previous coordination or integration
- Previously set priorities
- Program or resource synchronization or alignment

# **Questions?**